

$$L$$

H 1

			H 1	
			60	70
BETA	_ta		DAQVLVRYMKAELELYR. . . .	LQRRVN.MP
PUP3	_sc	b3	DVTTLNEMFRYKTNLYK. . . .	LK.EERAIE
C11	_sc	b4	DTVQFAEYIQANIQLYS. . . .	IREDEYE.LS
C5	_sc	b6	DGDALVKRFRKNSVKWYH. . . .	FDHNDKKLS
PRE4	_sc	b7	DMQHIERLLKDLVTENAYDNPL	ADAEAEALE
PUP1	_sc	b2	DTEAVTOLIGSNIELHS. . . .	LYTSRE.PR
MECL1	_hu		DAEMTTRMVASKMELHA. . . .	LSTGRE.PR
PRE2	_sc	b5	DCQFWETWLGSCRLHE. . . .	LRERKER.IS
X	_hu		DCSFWERLLARQCRIYE. . . .	LRNKER.IS
LMP7	_hu		DCQYWERLLAKECRLYY. . . .	LRNGER.IS
PRE3	_sc	b1	DTQAIADIVQYHLELYT. . . .	SQYGTP.S
Y	_hu		DTQAVADAVTYQLGFHS. . . .	IELNEP.PL
LMP2	hu		DAQAVADMAYQLELHG. . . .	IELEEP.PL

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Fig.1b

			H 2			S 5
			80	90	100	
BETA	ta		IEAVATLLSNMLNQV	. . KYMPY	MVQLLVG	G
PUP3	sc	b3	PETFTQLVSSSLYE	. . RRFGPY	FVGPV	VAG
C11	sc	b4	PQAVSSSFVRQELAKS	IRSRRPY	QVNVLI	G
C5	sc	b6	INSAARNIQHLLYG	. . KRFFPY	YVHTII	AG
PRE4	sc	b7	PSYIFEYLATVMYQRR	SKMNP	PLWNAI	IVAG
PUP1	sc	b2	VVSAALOMLKQHLFKY	. . QG	. HIGAY	LIVAG
MECL1	hu		VATVTRILRLQTLFRY	. . QG	. HVGAS	LIVAG
PRE2	sc	b5	VAAASKILSNLVYQY	. . KGAGL	SMGTMIC	G
X	hu		VAAASKLLANMVYQY	. . KGMGL	SMGTMIC	G
LMP7	hu		VSAASKLLSNMMCQY	. . RGMGL	SMGSMIC	G
PRE3	sc	b1	TETAASVFKELCYEN	. . KD	. NLTAG	IIVAG
Y	hu		VHTAASLKFEMCYRY	. . RE	. DLMAG	IIAG
LMP2	hu		VLA AANVVRNISKY	. . RE	. DLSAH	LMVAG
			S 6	S 7	S 8	
			110	120		
BETA	ta		IDT. . A. PHVFSIDAA	GG	SVE. DIYAST	GS
PUP3	sc	b3	INSKSGKPFIAFGDLI	GC	IDEAKDFIVS	GT
C11	sc	b4	YDKKKKNKPELYQIDYL	GT	KVE. LPYGAH	GY
C5	sc	b6	LD. EDGKGAVYSFDPV	GS	YER. EQCRAG	GA
PRE4	sc	b7	VQS. NGDQFLRYVNLL	GV	TYS. SPTLAT	GF
PUP1	sc	b2	VDP. TG. SHLFSIHAAH	GS	TDV. GYYLS	SLGS
MECL1	hu		VDL. TG. POLYGVHHPH	GS	YSR. LPFTAL	GS
PRE2	sc	b5	YTRKEG. PTIYYVDS	GT	RLK. GDIFC	VGS
X	hu		WDKR. G. PGLYYVDSE	GN	RIS. GATFS	VGS
LMP7	hu		WDKK. G. PGLYYVDEH	GT	RLS. GNMFST	GS
PRE3	sc	b1	YDDKNK. GEVYTIP	LG	SVHK. LPYAI	AGS
Y	hu		WDPOEG. GQGYSVPMG	GM	MVR. QSF	AI GGS
LMP2	hu		WDQREG. GQVYG. TLG	GM	LTR. QPFAI	GGS
			H 3			
			130	140		
BETA	ta		GSPFVYGVLESQYSEK		
PUP3	sc	b3	ASDQLFGMCESLYEPN		
C11	sc	b4	SGFYTFSLLDHHYRPD		
C5	sc	b6	AASLIMPFLDNQVNFKNQYEPGTNGKVKKP			
PRE4	sc	b7	GAHMANPLLRKVVDRES	DIPKT	
PUP1	sc	b2	GS LAAMA V L E S H W K Q D		
MECL1	hu		GQDAALAVLEDRFQPN		
PRE2	sc	b5	GQTFAYGVLDSDNYKWD		
X	hu		GSVYAYGVMDRGYSYD		
LMP7	hu		GNTYAYGVMDSGYRPN		
PRE3	sc	b1	GSTFIYGYCDKNFREN		
Y	hu		GSSYIYGYVDATYREG		
LMP2	hu		GSTFIYGYVDAAYKPG		

Process for Purification

Fig.1c

H 4

	150	160	170
BETA_ta	...	MTVDEGV	DLVIRAI
PUP3_sc b3	...	LEPEDLF	FETISQA
C11_sc b4	...	MTTEEG	LDDLKLC
C5_sc b6	LKYLSV	EEVIKLV	RDSFTS
PRE4_sc b7	...	TVQVAEE	AIVNAM
PUP1_sc b2	...	LTKEEA	IKLASDA
MECL1_hu	...	MTLEAA	OGLLVE
PRE2_sc b5	...	LSVEDA	LYLGKRS
X_hu	...	LEVEQA	YDLARR
LMP7_hu	...	LSPEEA	YDLGRR
PRE3_sc b1	...	MSKEET	VDFIKHS
Y_hu	...	MTKEEC	LQFTANA
LMP2_hu	...	MSPEEC	RRFTTDA

	S 9	S 10	H 5	180	190	200
BETA_ta				IDVAVIT	RKDG	YVQLPT
PUP3_sc b3				AVVYII	KKDEV	VVKRYL
C11_sc b4				VIVKIV	DKDGI	RQVDDF
C5_sc b6				LEILIV	TKDGV	RKEFYEL
PRE4_sc b7				FSLAI	IDKNT	GLTFKKN
PUP1_sc b2				VDVCV	MEIGK	DAEYLR
MECL1_hu				VDACV	ITKT	GAKLLR
PRE2_sc b5				VNLYHV	.TEDG	WIYHG
X_hu				VNLYHV	.REDG	WIRVSS
LMP7_hu				VNMYHM	.KEDG	WVKVES
PRE3_sc b1				IRMVVL	TAAGV	ERLIFYP
Y_hu				IRLAA	IAESG	VERQVLL
LMP2_hu				IYLV	TTITA	AGVDHR

	210	220
BETA_ta	L	...
PUP3_sc b3
C11_sc b4
C5_sc b6
PRE4_sc b7	IKGYGT	QKI
PUP1_sc b2	YKFPR	GTAVL
MECL1_hu	YHFVP	GTAVL
PRE2_sc b5	EGSFN	NVIG
X_hu	TP	...
LMP7_hu	NQ	...
PRE3_sc b1	PA	...
Y_hu
LMP2_hu

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Fig.1d

BETA_ta	...
PUP3_sc b3	...
C11_sc b4	...
C5_sc b6	...
PRE4_sc b7	...
PUP1_sc b2	A ...
MECL1_hu	EVE
PRE2_sc b5	...
X_hu	...
LMP7_hu	...
PRE3-sc b1	...
Y_hu	...
LMP2_hu	...

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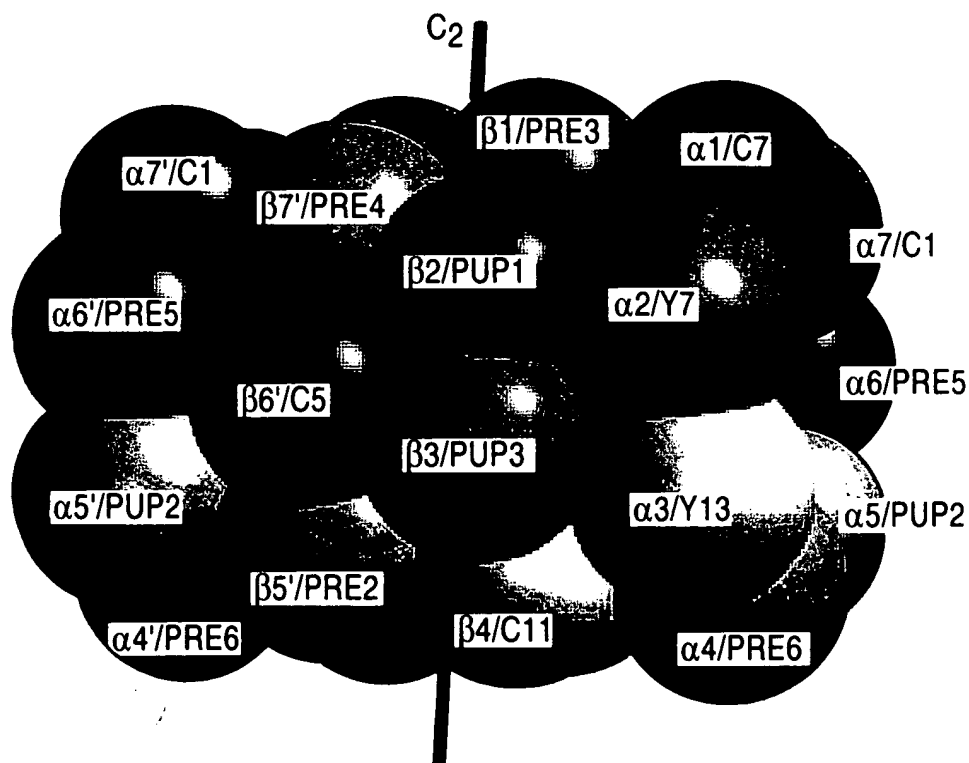
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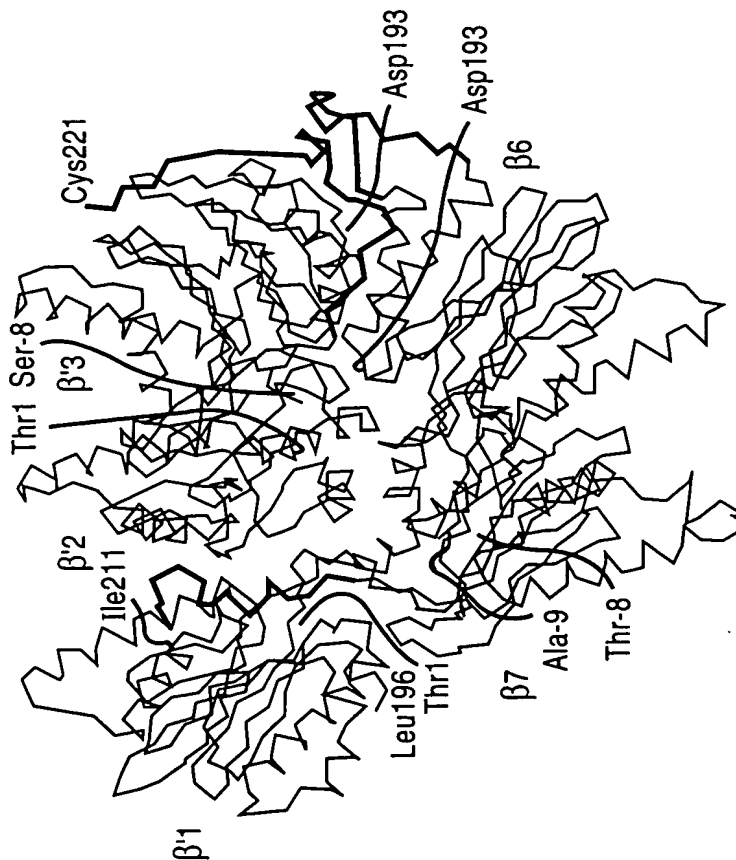
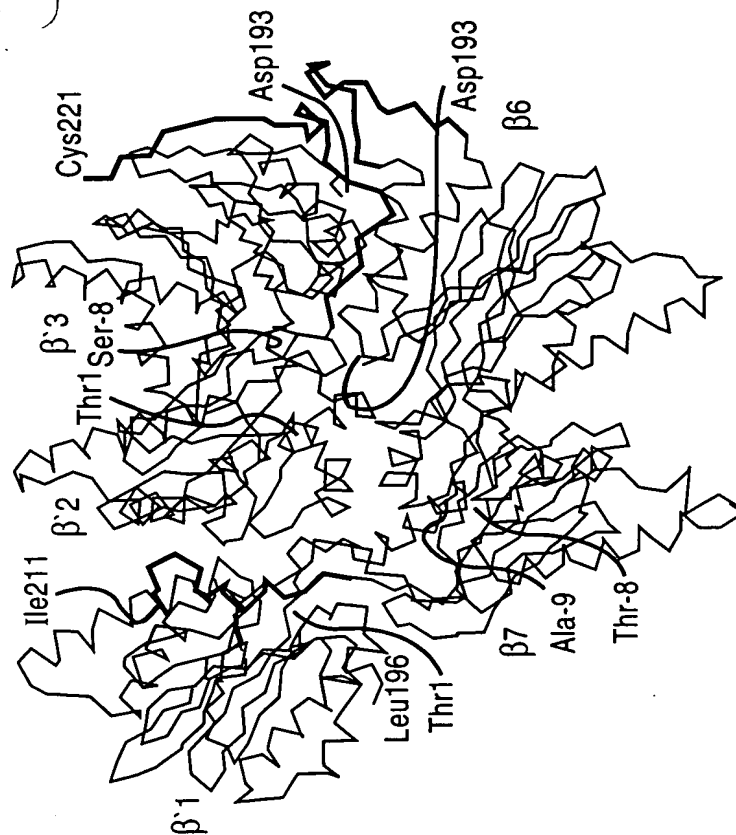
Fig.2



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Fig.3



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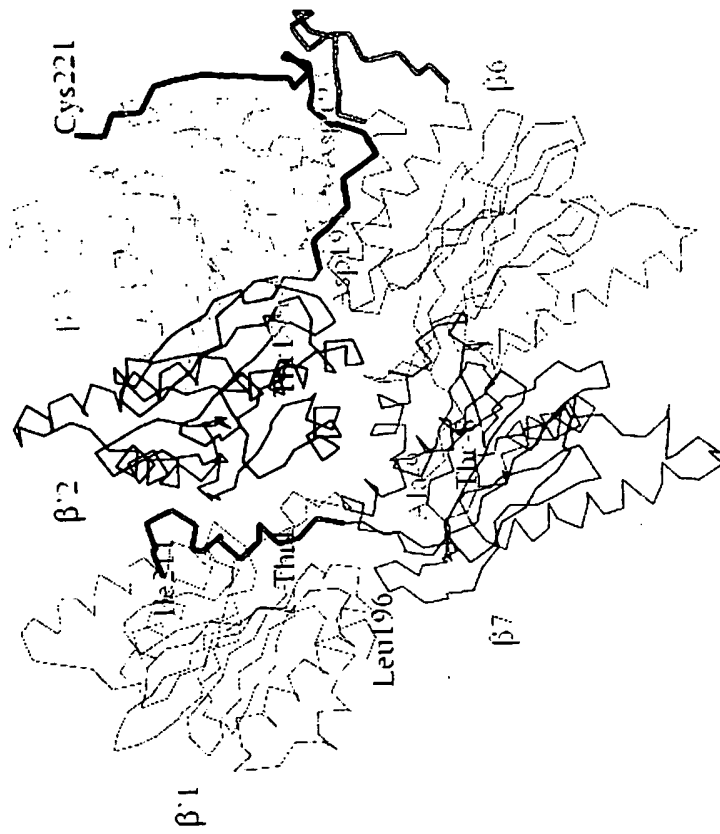
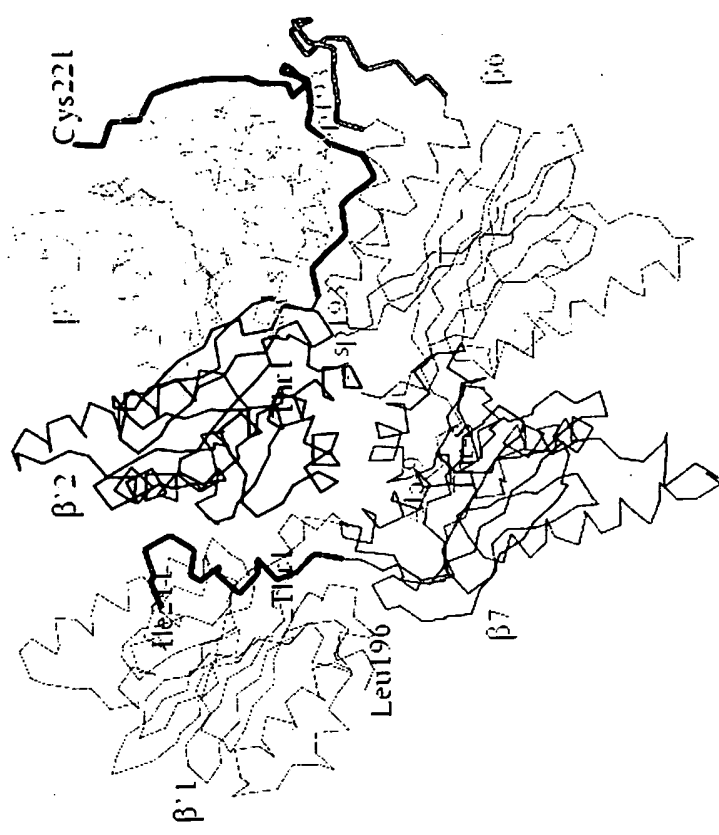


Fig.3

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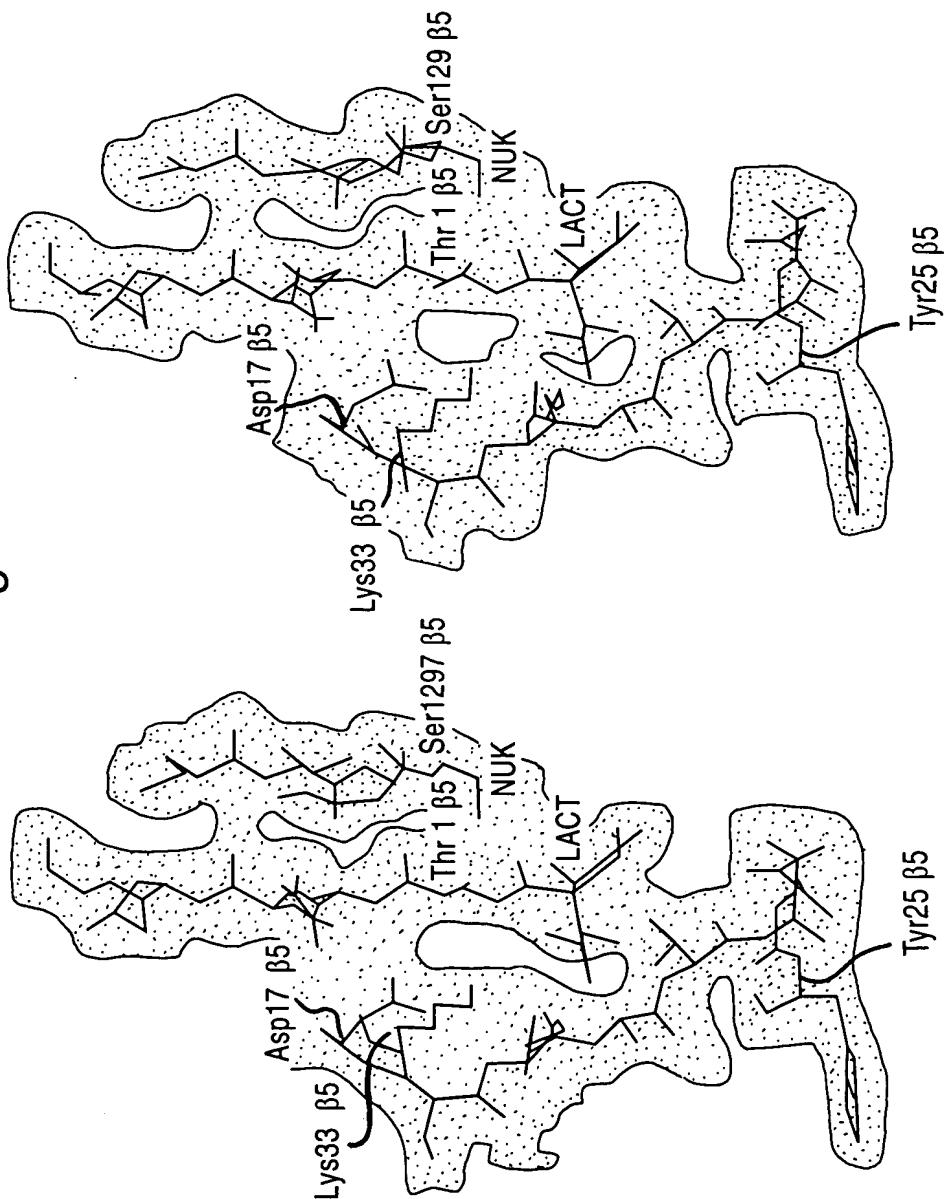
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Fig. 4a



klac map2

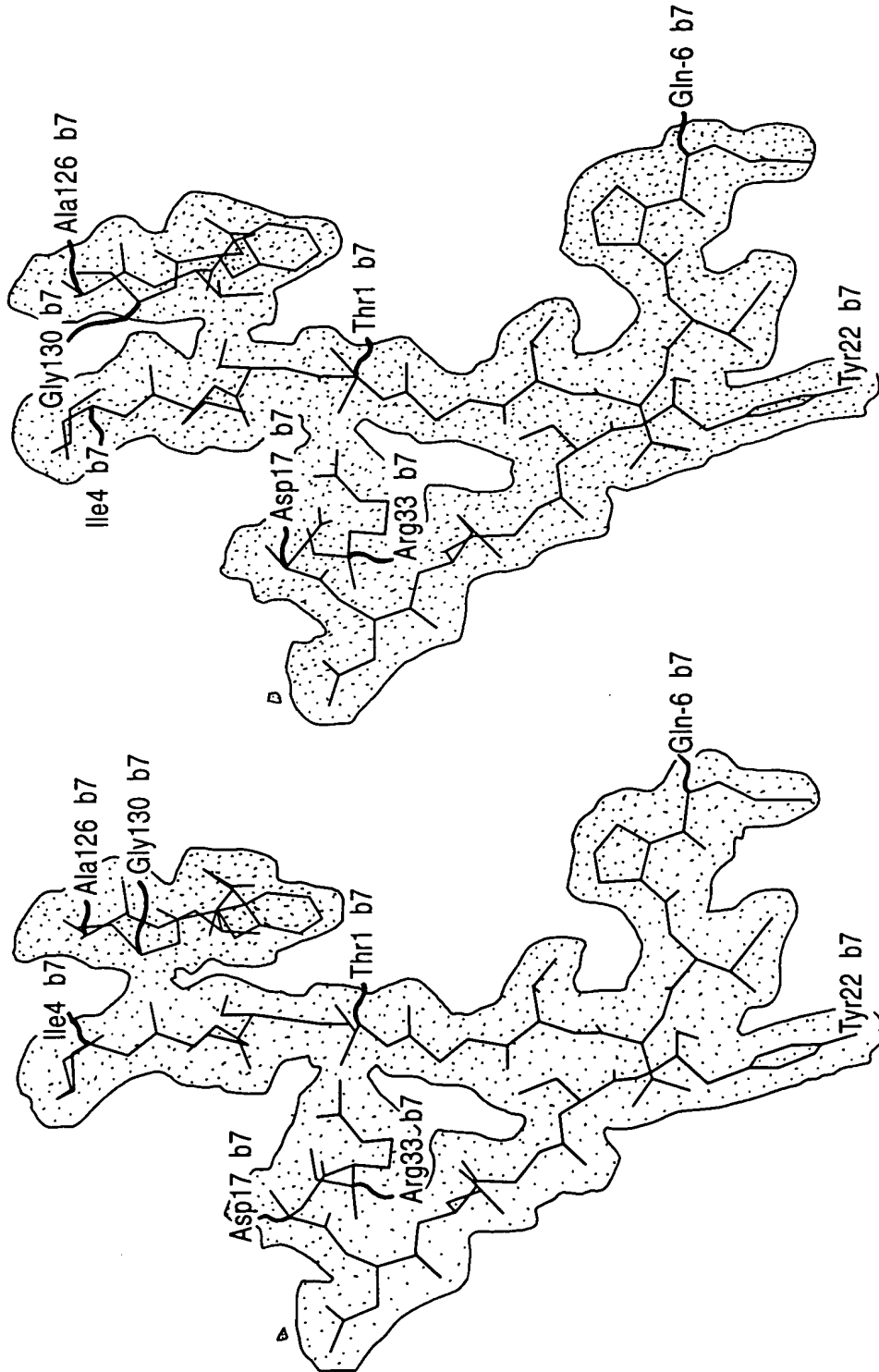


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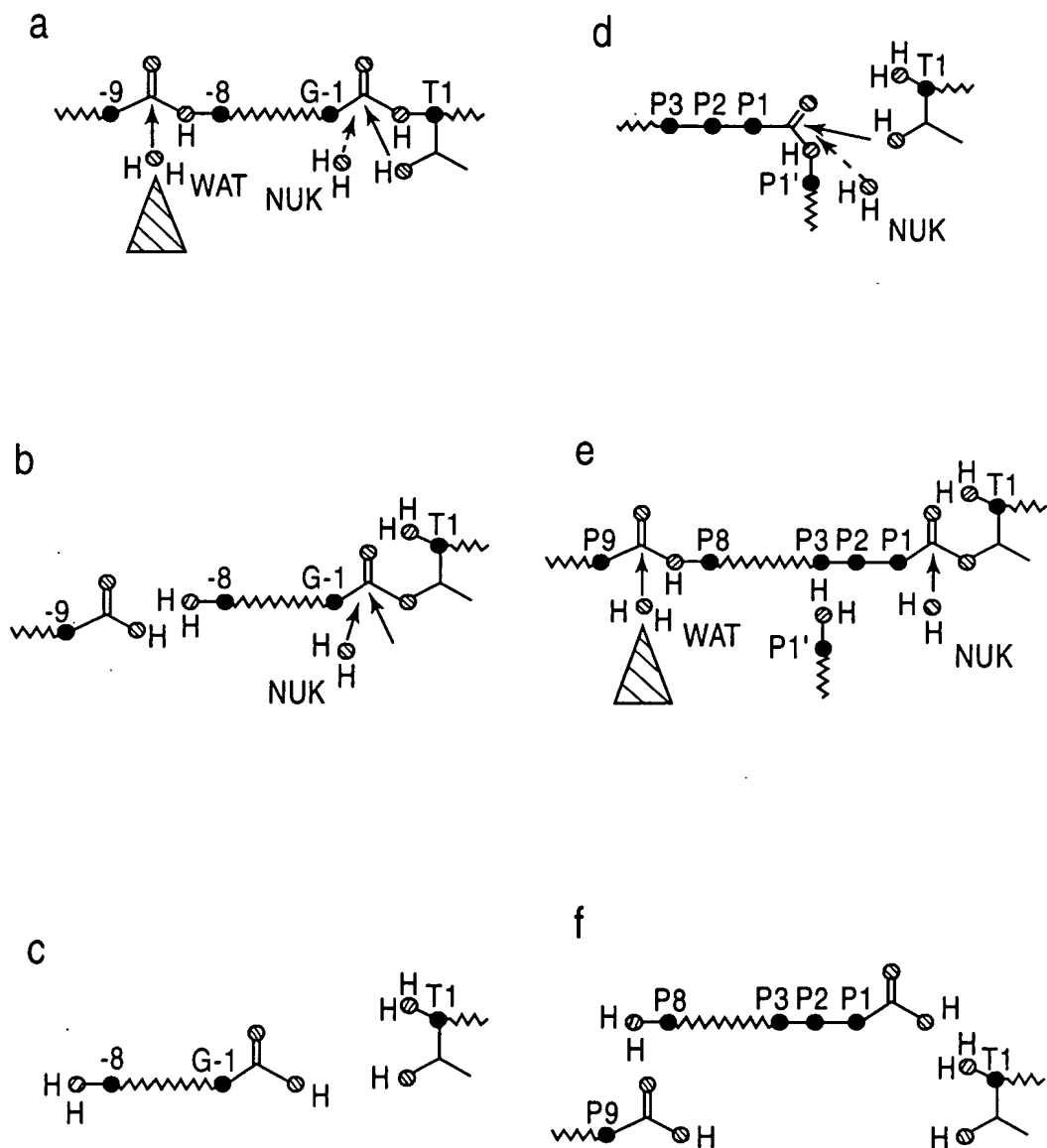
Fig.4b



pre4 map2



Fig.5



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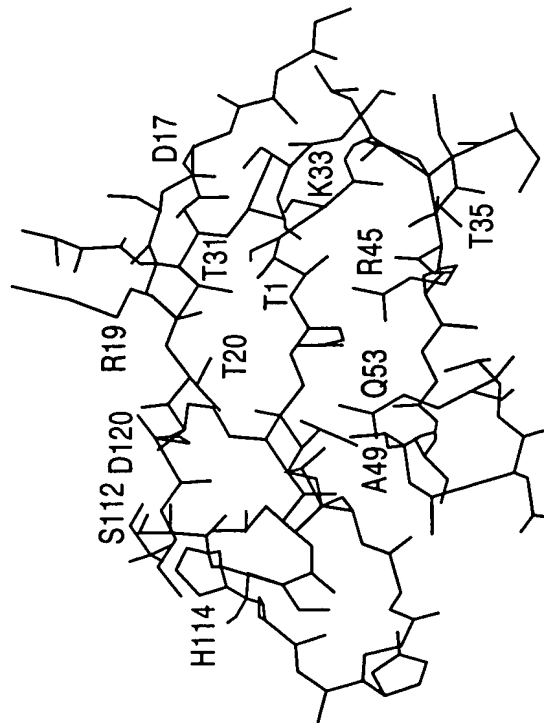
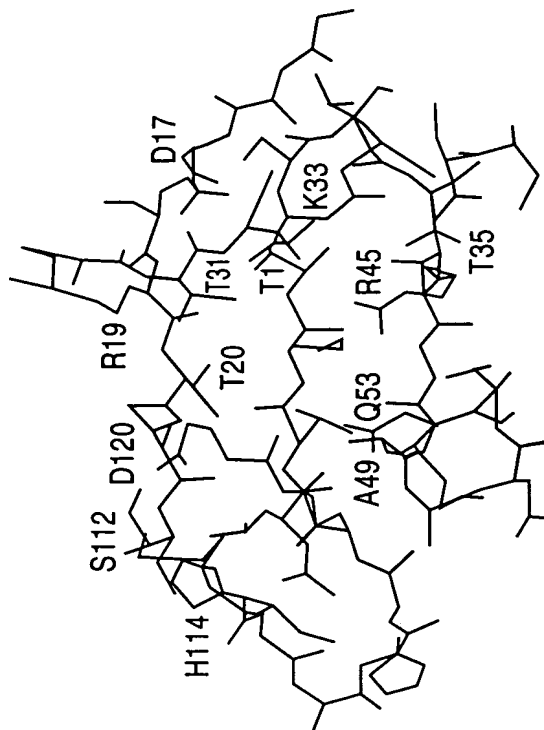
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Fig.6A



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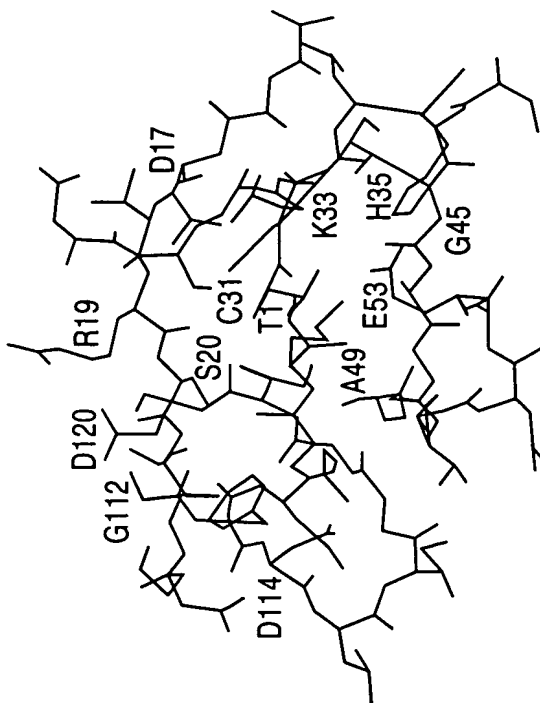
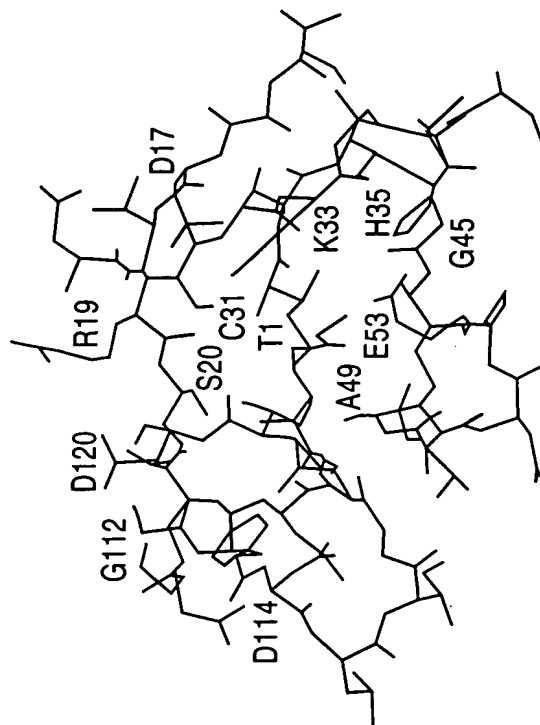
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Fig. 6B



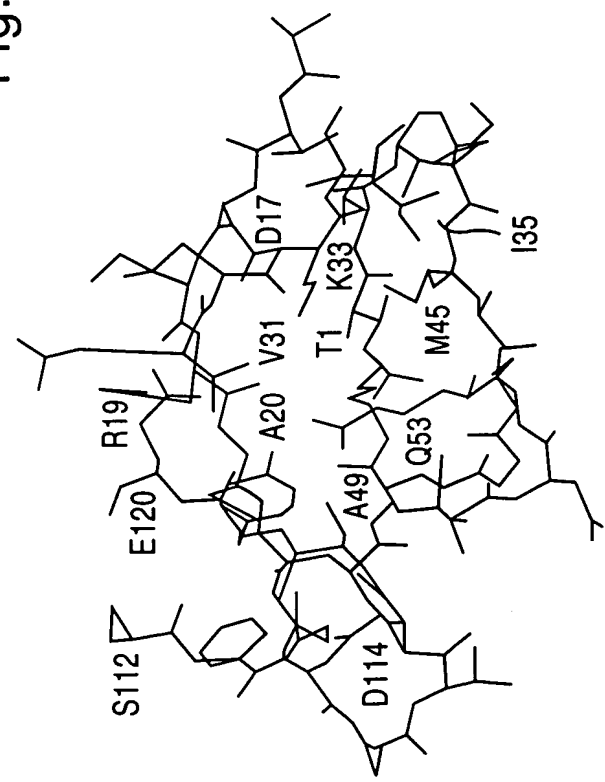
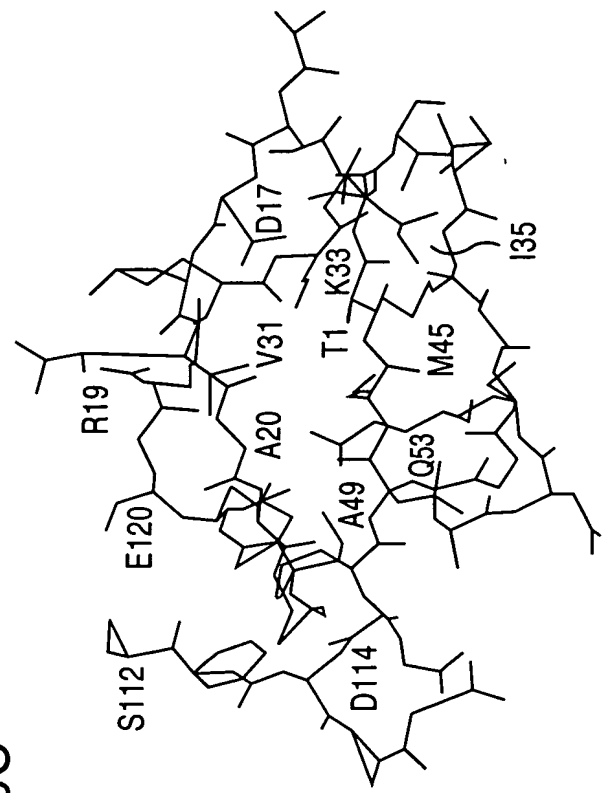
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Fig.6C

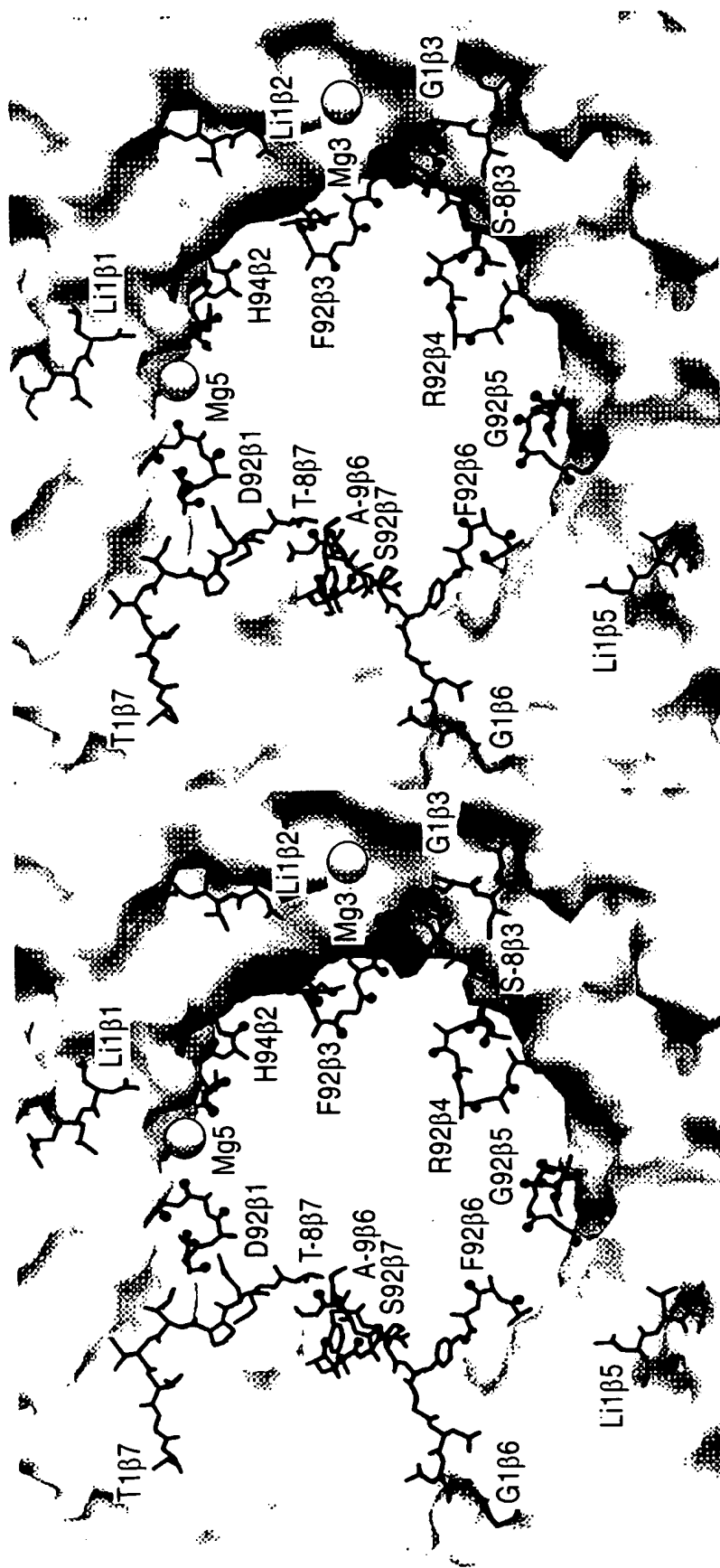


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Fig.7



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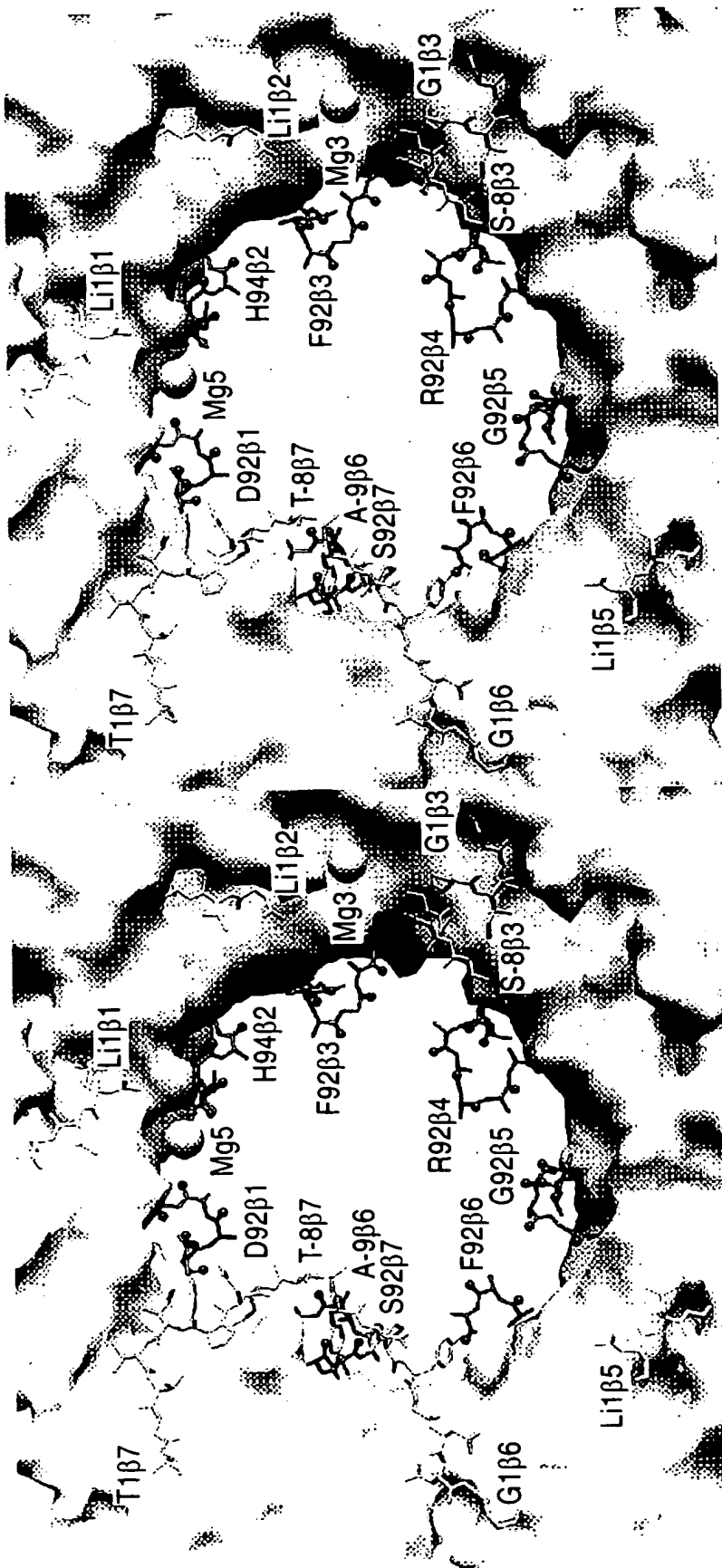
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Fig. 7



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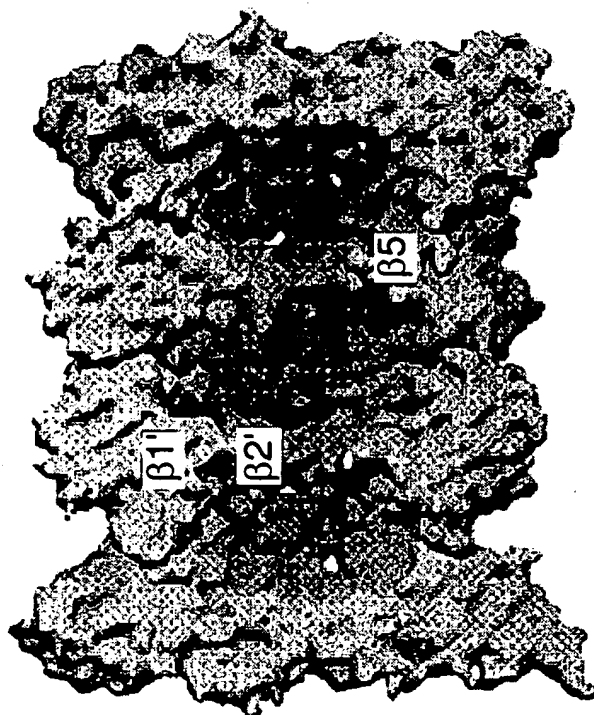
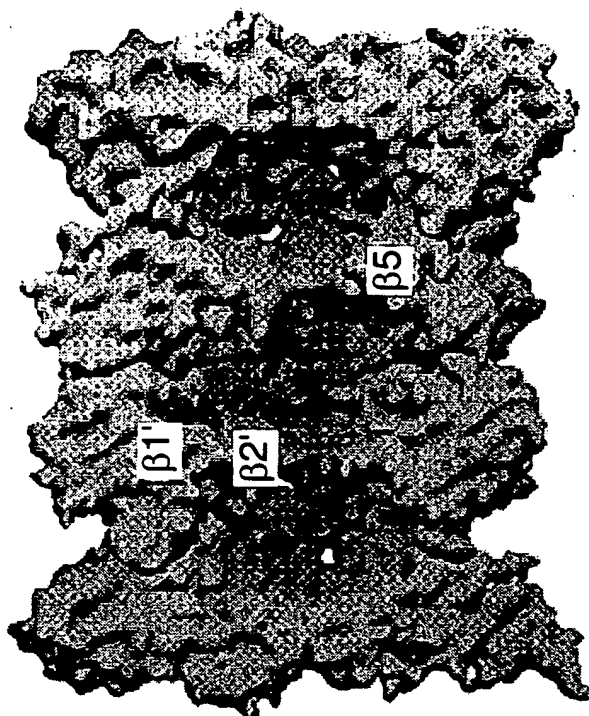
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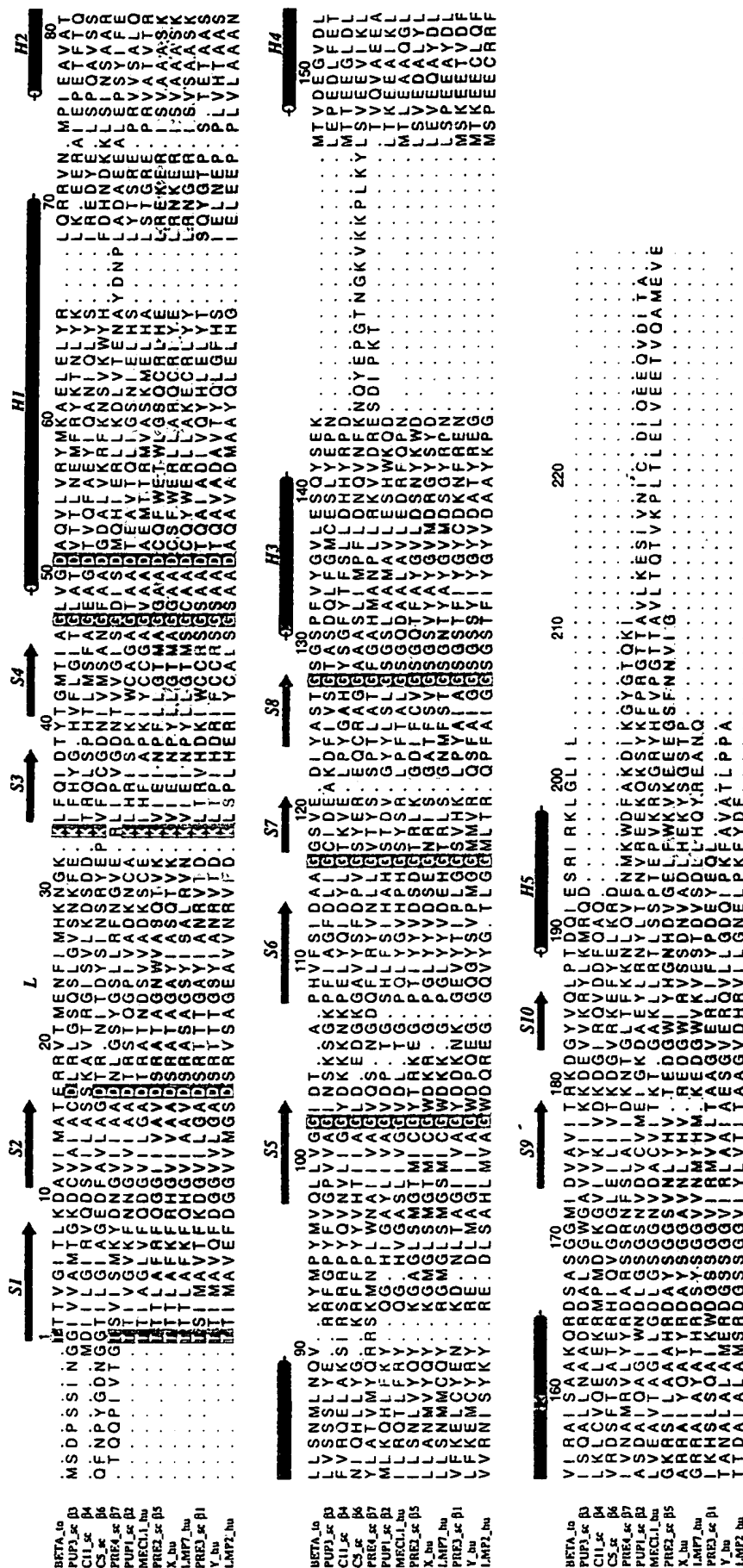
Process for Purification

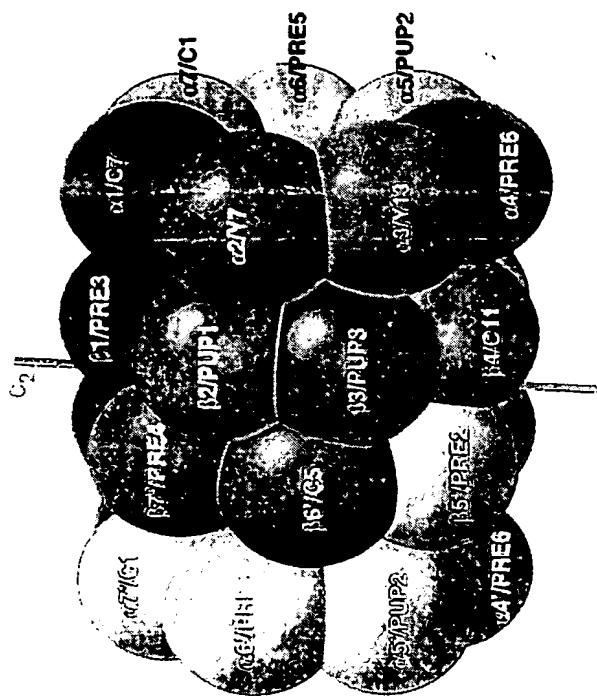
Fig.8



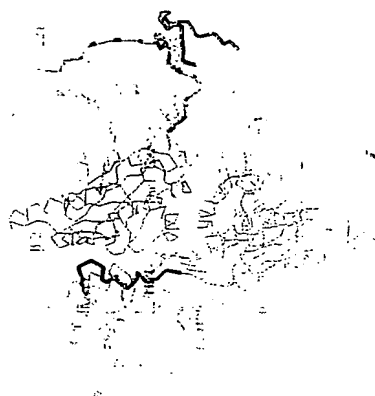
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Figur 1

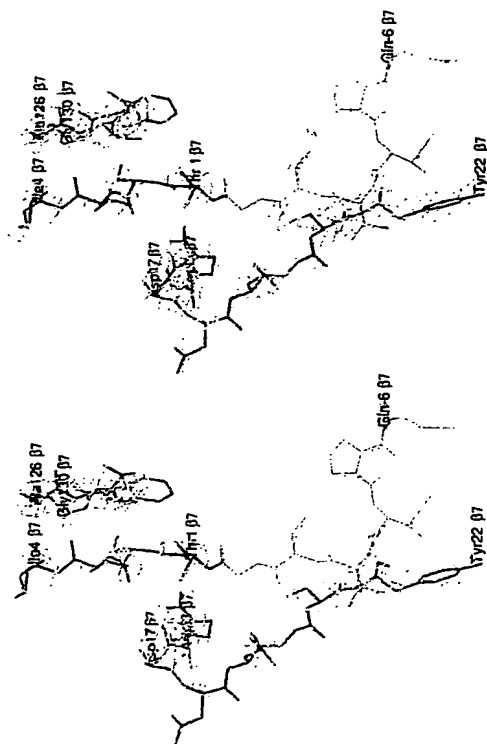




Figur 2

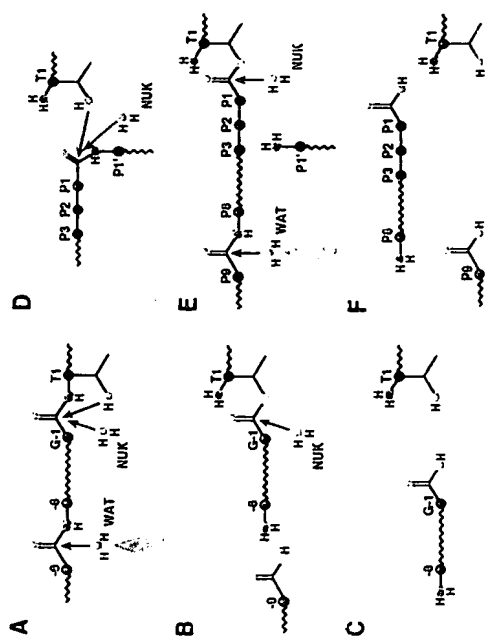


Figur 3



pre4 map2

Figur 4b



Figur 5

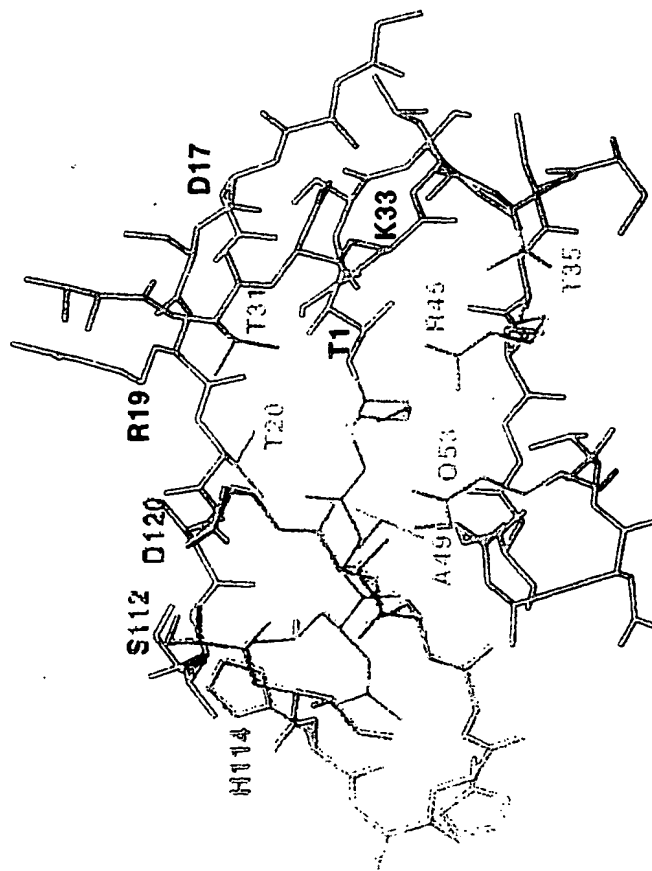
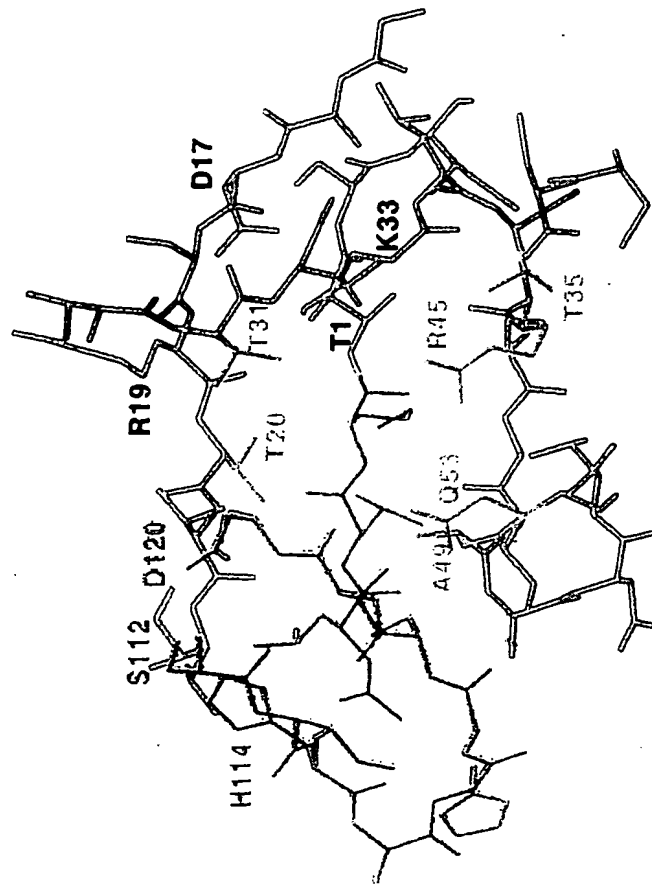
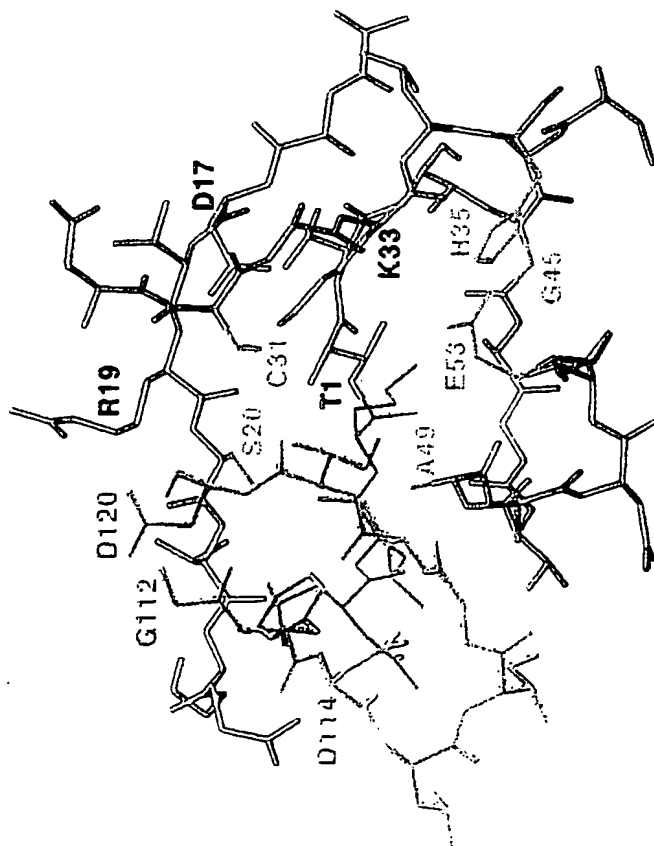
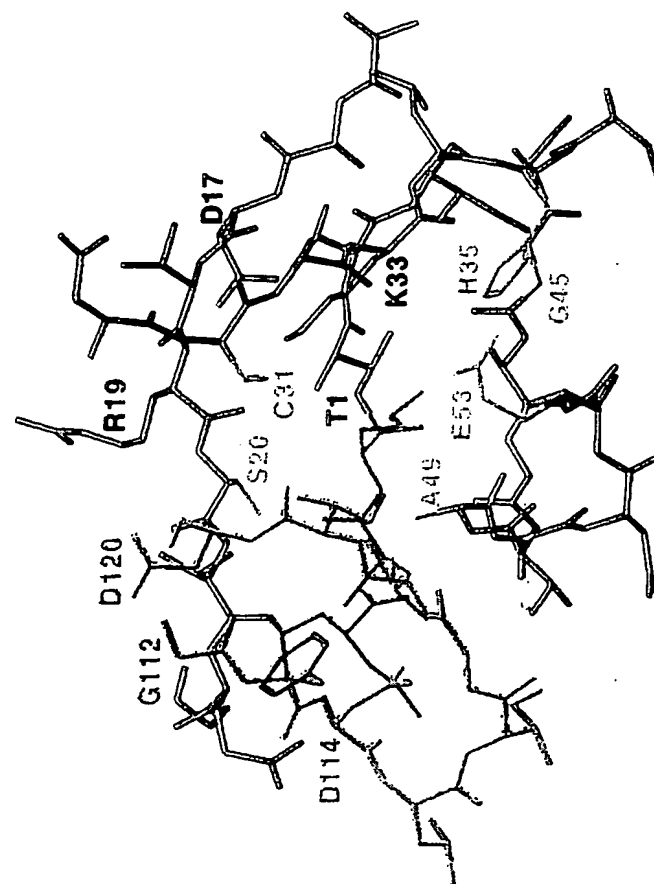
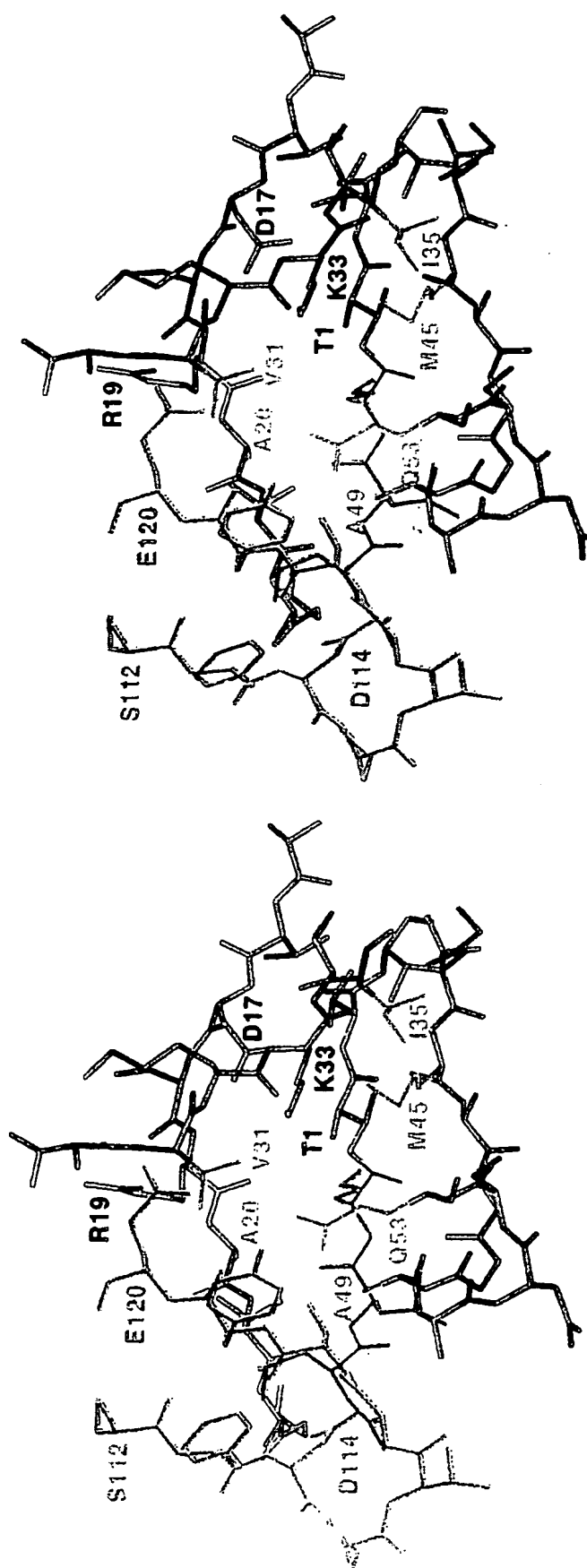


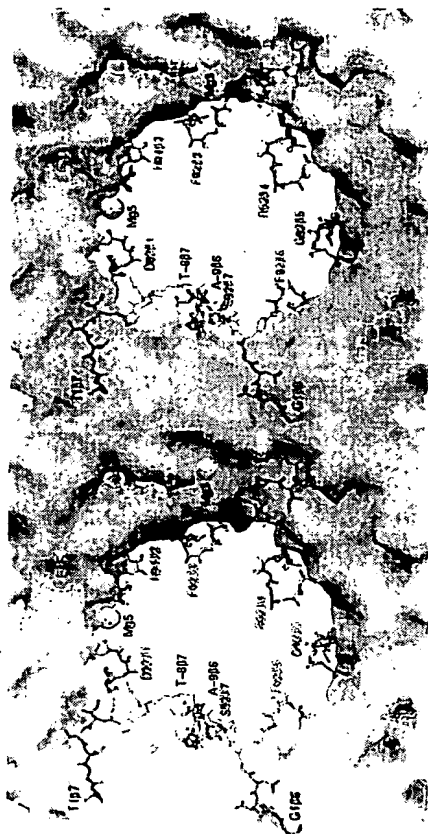
Figure 6a



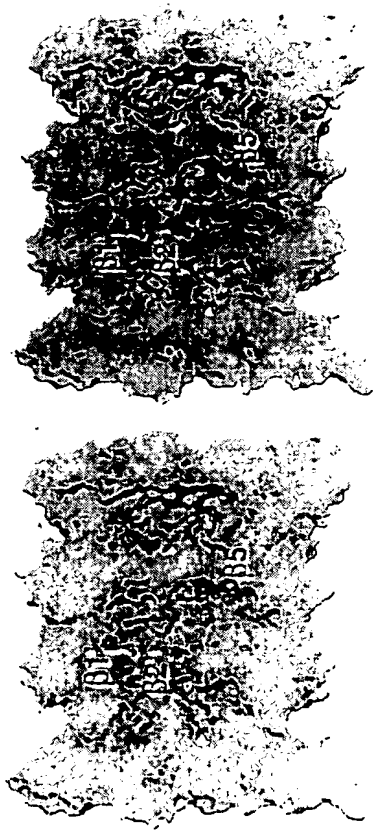
Figur 6b



Figur 6c



Figur 7



Figur 8